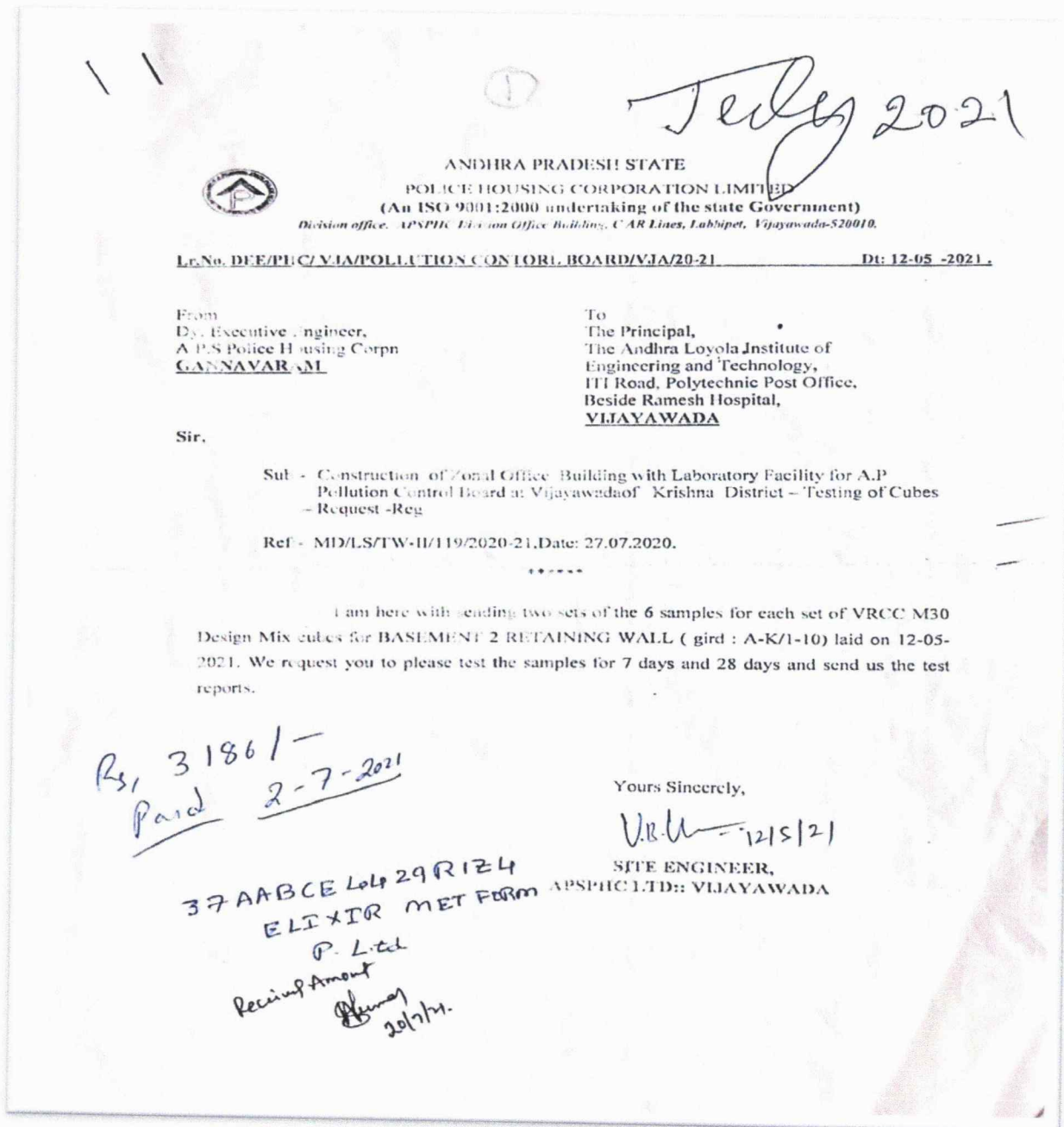




### 6.4.3. Institutional strategies for mobilization of funds and the optimal utilization of resources

## Consultancy projects





# ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to JNTUK-Kakinada

An ISO 9001 : 2015 Certified Institution



TIN : 37972105117  
PAN : ADBFS7043K

# 43-4-24/13, Flat No. 502, Geetha Residency, Rly New Colony, Visakhapatnam - 530 016.  
Ph : 9059477999, email : sripadmavathiconstructions@yahoo.in

*Handwritten:* Jan 20 21  
*Handwritten:* 2.1.21

SPC/2020-21/072

Date: 30.12.2020

To  
The Lab In charge,  
Department of Civil Engineering,  
Andhra Loyola Institute of Engineering  
and Technology,  
Vijayawada - 520008.

Sub: Testing of Materials for Coarse Aggregate 40mm and 20mm - Requested - Reg.

Ref: Name of the Work: "CONSTRUCTION OF NEW RETAIL OUTLET AT GUNADALA NEAR YV  
RAO ESTATE ON THE MAIN ROAD VIJAYAWADA CITY"

*Handwritten:* Lock →

Name of the Location: (Y V RAO ESTATE - PIPULA ROAD AT INNER RING ROAD RHS)  
VIJAYAWADA

Name of the Contractor: M/s Sri Padmavathi Constructions, Visakhapatnam

Dear Sir,

With reference to the above, we are requesting you to do the needful tests for the following  
construction materials:

STONE AGGREGATE : for Coarse Aggregate (20MM)  
1) Sieve Analysis, 2) Silt Content, 3) Bulkage 4) Fineness Modules 5)  
Specific Gravity 6) Water Absorption 7) Flakiness Index and  
8) Deleterious Materials

*Handwritten:* Lock

for Coarse Aggregate (40MM)  
1) Sieve Analysis, 2) Silt Content, 3) Bulkage 4) Fineness  
Modules 5) Specific Gravity 6) Water Absorption 7) Flakiness  
Index and 8) Deleterious Materials

Kindly requesting you to arrange the above tests.

Thanking you sir,  
Yours Truly,  
for M/s Sri Padmavathi Constructions,

*Handwritten:* D. J. K. Kumar  
Site Engineer

*Handwritten:* Materials tested.  
Rs. 5640/- Received Rs. 5640/- 79976/939  
E&W 5.1.21

PRINCIPAL  
ANDHRA LOYOLA INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
VIJAYAWADA-520008



*Suraj*

Vijayawada,  
22-07-2020.

### TEST REPORT BY DEPARTMENT OF CIVIL ENGINEERING

Test conducted at : Geotechnical Laboratory  
 Test conducted for : PIDUGURALLA MUNICIPALITY,  
 PIDUGURALLA, GUNTUR DISTRICT.  
 Reference : L ETTER NO NIL Dated :11-7-2020  
 Description : LAYING OF RAW WATER PIPE LINE FROM  
 BUGGAVAGU TO PIDUGURALLA

PIT NO -1 : CHAINAGE (37.04KM)  
 Depth of collection : 1.0M

#### Grain size analysis [IS:2720(part-4)]

pit-1 sample -1						
S.No	IS SIEVE Size(mm)	partical size(mm)	weight retained	%weight retained	cumulative %weight retained	%passing
1	10	10	0	0	0	100
2	4.75	4.75	9.73	0.973	0.973	99.027
3	2.36	2.36	12.38	1.238	2.211	97.789
4	1.18	1.18	20.82	2.082	4.293	95.707
5	600 microns	0.6	17.13	1.713	6.006	93.994
6	425 microns	0.425	2.1	0.21	6.216	93.784
7	300 microns	0.3	4.86	0.486	6.702	93.298
8	150 microns	0.15	13.53	1.353	8.055	91.945
9	75 microns	0.075	7.35	0.735	8.79	91.21
10	pan	<0.075	912.1	91.21	100	0
		Total weight in grams =	1000			

#### Atterberg's consistency Limits [2720-part 5]

Liquid limit ( $W_L$ ) = 74

Plastic limit ( $W_p$ ) = 29

Plasticity index (PI) = 45

Classification of soil [IS:1498-1978] : Dark Brown Clay (CH)

*M. Srinivas*  
*Rs 15000/- 29.7.20*  
*Received Rs 15000/-*  
*29/07/2020*

DEAN

8125638341

**PRINCIPAL**  
**ANDHRA LOYOLA INSTITUTE OF**  
**ENGINEERING & TECHNOLOGY**  
**VIJAYAWADA-520008.**



SOUTH CENTRAL RAILWAY

*Consulting.*

Office of the  
SSE/Works/BVRM  
Dt.20.10.2018.

The Principal  
Dept.of Civil Engg.,  
SRK Institute of Technology,  
VIJAYAWADA.

Sub:- Testing of Cubes for M-30 Reg.

Ref:-sw-1): ADEN/BVRM section: Additions and alterations to circulating area at Akividu station, drainage arrangements at Kaikaluru station, Partition of VIP Lounge and conversion of Parcel office as waiting room with toilets at Tanuku station in SSE/W/BVRM of ADEN/BVRM sub division. SW-II): Repairs to Drainage arrangements at staff quarters at BVRM, TNKU, KCLR & NS stations in ADEN/BVRM section. SW-III): NARASAPUR – a) CC flooring and open shed. b) Construction of Bail out pump room. c) CC flooring of IOH shed at North end. d) CC flooring, GI sheet fencing-scrap.

Contractor:- R.V.S. Kumar, Vijayawada.

Accp.Lr.No: B/W 496/I/4/T.No.E-24-East-2018/TV of 19.09.2018.

\*\*\* &&& \*\*\*

*Mailed 7/10/18*

In connection with the above work the test cubes for Casting of NS compound wall piles, beams and columns M-30 design mix concrete work are here with sending for testing of 7 days compressive strength and advise the results to this office the details are furnished below.

- |                      |   |  |
|----------------------|---|--|
| 1. Grade of Concrete | - | M-30                                       |
| 2. Size of Cube      | - | 15x15x15 cm                                |
| 3. Date of Casting   | - | 13-10-2018.                                |
| 4. No. of Cubes      | - | 3 Nos                                      |
| 5. Situation of Work | - | NS Compound wall Piles, Beams and Columns. |

*9550482223*  
*Rs 8050*

Please give the result of 7 days Compressive strength of these compound wall cubes

*V.L.L.*  
SSW/Works/BVRM

*John*  
PRINCIPAL  
ANDHRA LOYOLA INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
VIJAYAWADA-520008.



GOVERNMENT OF ANDHRA PRADESH  
WATER RESOURCES DEPARTMENT

From:  
Sri B. Arifullah,  
B.Tech.,  
Deputy Executive Engineer,  
Special Sub Division,  
Nuzvid.

To  
The Principal,  
Loyola Engineering College,  
Veterinary Colony,  
Vijayawada,  
Krishna District.

Letter No.DEE(N)/APIIATP/92<sup>nd</sup> Dt.27-12-2018.

Sir,

Sub: W.R. Department - Minor Irrigation - Conducting the soil tests for gravelly soils, Concrete Design mix tests, and Dry rubble stone tests for the work of "REHABILITATION OF JOGIRAJU TANK CASCADE NO-4 IN GULLAPUDI VILLAGE IN MUSUNURU MANDAL IN KRISHNA DISTRICT UNDER AP-IIATP (WORLD BANK PHASE-II)" - Requested -Reg.

Ref: Superintending Engineer, Irrigation, Circle, Vijayawada Agreement No.  
1) 46 SE/2018-19, dated 22.12.2018.

###

It is proposed to execute the work of "REHABILITATION OF JOGIRAJU TANK CASCADE NO-4 (1.Dharma Tank and 2.Jogiraju Kunta Tank) IN GULLAPUDI VILLAGE IN MUSUNURU MANDAL IN KRISHNA DISTRICT UNDER AP-IIATP (WORLD BANK PHASE-II)" by this department. The soil test results of MDD & OMC for the soil sample, Concrete mix designs and Dry rubble stone tests are required for the above tank.

In this connection, the samples of gravelly soil for Classification, OMC & MDD, materials tests of Coarse aggregate, Fine aggregate, Sand and Cement collected from the source at the above work site for mix designs of M10 with 40 mm down, M15 with 40 mm down and sinking plums of size 150 to 80 mm up to 15 percent, M20 with 20 MSA and dry rubble stone 225mm thick for specific gravity & water absorption. I here with send the materials to be tested estimate sanctioned data of the above work.

Encl:As above each 1 bag & Dry stone 2 nos

Yours faithfully,

*[Signature]*  
Deputy Executive Engineer,  
Special Sub Division, Nuzvid.

*(6) 20,000/-  
dt 12-5-19*

*[Signature]*  
PRINCIPAL  
ANDHRA LOYOLA INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
VIJAYAWADA-520008.



# ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to JNTUK-Kakinada

An ISO 9001 : 2015 Certified Institution

GOVERNMENT OF ANDHRA PRADESH  
ROADS AND BUILDINGS DEPARTMENT

From  
Sri S.B.V. Reddy, M.Tech  
Deputy Executive Engineer  
(R & B) Sub division,  
Machilipatnam

To  
The Principal,  
Andhra Loyola Engineering  
College,  
Vijayawada.

Letter No: DEE/R&B/QC/ Movva College Build., Dated: 11-03-2019

Sir,

Sub:- Construction of Library Building in V.S.R Government Degree and P.G. College  
Movva - Request for Mix design for M20 Gr. Concrete — Reg.  
Ref:- CR Agt. No. RUSA/MOVVA / DEE/R&B/QC, Dt: 06.02.2019

\*\*\*

I am here with sending the required material for concrete Mix design for M20 grade for pile foundation, Columns, Beams, Slabs and other structural elements in respect of proposed Library Building in V.S.R Government Degree and P.G. College, Movva. The work was entrusted to M/s GVS projects Private Limited, Vijayawada.

Necessary charges will be paid by the contractor as per college Norms. The test results may please be communicated to this office at an early date.

Yours Faithfully,

Encl: Material 20mm HBG metal, 10mm HBG metal,  
Sand, OPC 53 Gr. Cement of make SAGAR

S. B.V. Reddy 11/3/19  
Deputy Executive Engineer (R&B),  
Machilipatnam

4600/-

9246775664

Ru 4600/- dt 12.5.19

PRINCIPAL  
ANDHRA LOYOLA INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
VIJAYAWADA-520008.